

02-03-1999



To the Honorable (

100955008

Please record the attached original documents or copy thereof.

MRE : 22 99

1 Name of convey...
Masuyoshi HOUDA
Takahiro MATSUMOTO

2. Name and address of receiving party(ies):
Murata Manufacturing Co., Ltd.
26-10 Tenjin 2 chome ,
Nagaokakyo-shi,
Kyoto-fu 617 8555
Japan

Additional names of conveying parties attached? Yes No

Additional name(s) and address(es) attached? Yes No

3 Nature of Conveyance

Assignment
 Security Agreement

Merger
 Change of Name

Other: _____
 Execution Date: January 19, 1999

4. Application Number(s) or patent numbers:

09/235960

If this document is being filed together with a new application, the execution date(s) of the application is/are: January 19, 1999

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached Yes No

Additional numbers attached Yes No

5 Name and Address of party to whom correspondence concerning document should be mailed:

GRAHAM & JAMES LLP
Intellectual Property Group
885 Third Avenue, 24th Floor
New York, New York 10022

7. Total fee (37CFR 3.41).....\$ 40.00

Enclosed

Charge our Deposit Account No. 07-1855 for deficiency in the above fee, and credit any overpayment thereto.

6 Total number of applications and patents involved: -

8. Deposit Account No.: 07-1855

(Attach duplicate copy of this page if paying by deposit account.)

9 Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Joseph B. Keating Reg. 37,368
Name of person Signing

Signature

January 22, 1999
Date

36856.101

Total number of pages comprising cover sheet: 2

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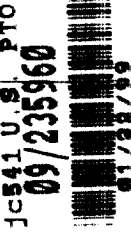
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Mail documents to be recorded with required cover sheet information to:

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511:6079 01
012:99/1143/36856 00161

PATENT
REEL: 9727 FRAME: 0834



ASSIGNMENT (WORLDWIDE)

WHEREAS, we Masuyoshi HOUDA and Takahiro MATSUMOTO (hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled **METHOD OF MANUFACTURING A CHIP TYPE ELECTRONIC ELEMENT** for which application for Letters Patent of the United States has been

 x executed on even date herewith,
 filed on _____ as Serial No. _____.

WHEREAS, Murata Manufacturing Co., Ltd., 26-10 Tenjin 2-chome, Nagaokakyo-shi, Kyoto-fu 617-8555, JAPAN (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to the said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted; and all Letters Patent and applications therefor through the world, including all the rights accruing by virtue of the International Convention for the Protection of Industrial Property.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

Dated: January 19, 1999

Masuyoshi Houda
 Masuyoshi HOUDA

Dated: January 19, 1999

Takahiro Matsumoto
 Takahiro MATSUMOTO

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